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\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEDELINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/Caplus enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEDELINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	28	MAR 31	IFICDB, IFIPAT, and IFIUDS enhanced with new custom IPC display formats
NEWS	29	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	30	MAR 31	CA/Caplus and CASREACT patent number format for U.S. applications updated
NEWS	31	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	32	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008			

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8        For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:16:24 ON 02 APR 2008

=> file registry  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:16:34 ON 02 APR 2008  
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STRUCTURE FILE UPDATES:    1 APR 2008    HIGHEST RN 1011527-65-3  
DICTIONARY FILE UPDATES:   1 APR 2008    HIGHEST RN 1011527-65-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

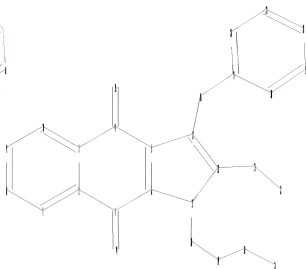
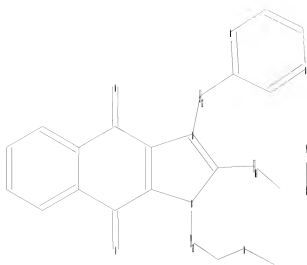
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10 series\10553151\10553151a.str



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chain nodes :
14 15 16 18 19 20 21 31 32
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 17 26 27 28 29 30
chain bonds :
1-14 4-15 11-16 12-31 13-18 16-17 18-19 19-20 20-21 31-32
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-10 4-5 5-6 5-11 6-13 7-8 8-9 9-10 11-12 12-13
17-26 17-30 26-27 27-28 28-29 29-30
exact/norm bonds :
1-2 1-6 1-14 3-4 4-5 4-15 5-6 5-11 6-13 11-12 11-16 12-13 13-18 19-20
20-21
exact bonds :
12-31 16-17 18-19 31-32
normalized bonds :
2-3 2-7 3-10 7-8 8-9 9-10 17-26 17-30 26-27 27-28 28-29 29-30

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS
32:CLASS

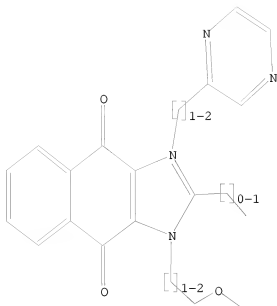
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 11:17:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -          0 TO ITERATE

100.0% PROCESSED          0 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   0 TO      0
PROJECTED ANSWERS:      0 TO      0
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L2          0 SEA SSS SAM L1
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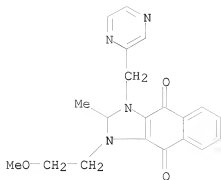
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FULL SCREEN SEARCH COMPLETED -          5 TO ITERATE
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100.0% PROCESSED          5 ITERATIONS          5 ANSWERS
SEARCH TIME: 00.00.01
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L3          5 SEA SSS FUL L1
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=> d scan
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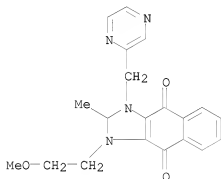
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L3  5 ANSWERS  REGISTRY  COPYRIGHT 2008 ACS on STN
IN  1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-
    dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1)
MF  C20 H19 N4 O3 . Br
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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

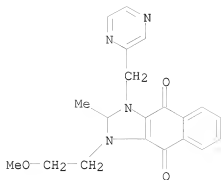
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L3 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(pyrazinylmethyl)- (9CI)  
 MF C20 H19 N4 O3  
 CI COM



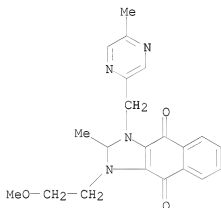
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L3 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(pyrazinylmethyl)-, chloride (9CI)  
 MF C20 H19 N4 O3 . Cl



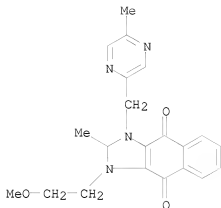
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L3 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-3-[(5-methylpyrazinyl)methyl]-4,9-dioxo- (9CI)  
 MF C21 H21 N4 O3  
 CI COM



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L3 5 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-3-[(5-methylpyrazinyl)methyl]-4,9-dioxo-, chloride (9CI)  
 MF C21 H21 N4 O3 . Cl



● Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

180.20	180.41
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FILE 'CAPLUS' ENTERED AT 11:19:45 ON 02 APR 2008  
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FILE LAST UPDATED: 1 Apr 2008 (20080401/ED)

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=> s l3

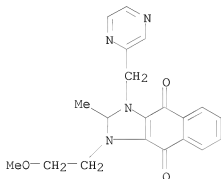
L4 6 L3

=> d l4 1-6 ibib hitstr

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:252630 CAPLUS  
 DOCUMENT NUMBER: 148:269467  
 TITLE: Stabilized pharmaceutical composition of naphthoimidazolium derivative  
 INVENTOR(S): Murai, Makoto; Yonemochi, Yuichi; Shakushiro, Kohsuke; Kasai, Akihiro  
 PATENT ASSIGNEE(S): Astellas Pharma Inc., Japan  
 SOURCE: PCT Int. Appl., 24pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

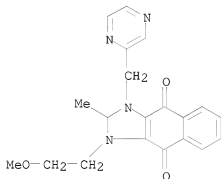
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008023807	A1	20080228	WO 2007-JP66495	20070824
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			JP 2006-229203	A 20060825
			WO 2007-JP66340	A 20070823
IT 781661-94-7	RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (stabilized pharmaceutical composition of naphthoimidazolium derivative)			
RN 781661-94-7 CAPLUS				
CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1) (CA INDEX NAME)				



● Br<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:1451296 CAPLUS  
 DOCUMENT NUMBER: 148:228885  
 TITLE: YM-155: apoptosis inducer survivin expression inhibitor oncolytic  
 AUTHOR(S): Wang, Y.; Serradell, N.; Bolos, J.; Rosa, E.  
 CORPORATE SOURCE: IBC, Frederick, MD, 21702, USA  
 SOURCE: Drugs of the Future (2007), 32(10), 879-882  
 CODEN: DRFUD4; ISSN: 0377-8282  
 PUBLISHER: Prous Science  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: English  
 IT 781661-94-7  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (YM-155 monotherapy showed promising anticancer activity and acceptable toxicity profile in patient with cancer)  
 RN 781661-94-7 CAPLUS  
 CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1) (CA INDEX NAME)



● Br<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

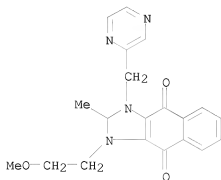
L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:996056 CAPLUS  
 DOCUMENT NUMBER: 147:461711  
 TITLE: YM155, a Novel Small-Molecule Survivin Suppressant, Induces Regression of Established Human Hormone-Refractory Prostate Tumor Xenografts  
 AUTHOR(S): Nakahara, Takahito; Takeuchi, Masahiro; Kinoyama, Isao; Minematsu, Tsuyoshi; Shirasuna, Kenna; Matsuhisa, Akira; Kita, Aya; Tominaga, Fumiko; Yamanaka, Kentaro; Kudoh, Masafumi; Sasamata, Masao  
 CORPORATE SOURCE: Institute for Drug Discovery Research, Astellas Pharma, Inc., Tsukuba-shi, Ibaraki, Japan  
 SOURCE: Cancer Research (2007), 67(17), 8014-8021  
 CODEN: CNREA8; ISSN: 0008-5472  
 PUBLISHER: American Association for Cancer Research  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 781661-94-7, YM 155  
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); PKT

(Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(YM155, a novel small-mol. survivin suppressant, induces regression of established human hormone-refractory prostate tumor xenografts)

RN 781661-94-7 CAPLUS

CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on SIN

ACCESSION NUMBER: 2004:902370 CAPLUS

DOCUMENT NUMBER: 141:379945

TITLE: Process for preparation of imidazolium bromide derivative and its crystals

INVENTOR(S): Kinoyama, Isao; Sakamoto, Kenichirou; Okui, Hiroki; Hamada, Noritaka; Matsuhisa, Akira

PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004092160	A1	20041028	WO 2004-JP5321	20040414
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2522486	A1	20041028	CA 2004-2522486	20040414

JP 2004331657	A	20041125	JP 2004-118511	20040414
JP 3618341	B2	20050209		
EP 1614686	A1	20060111	EP 2004-727422	20040414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
CN 1791595	A	20060621	CN 2004-80013226	20040414
MX 2005PA11078	A	20060124	MX 2005-PA11078	20051014
US 20060223831	A1	20061005	US 2005-553151	20051014
IN 2005DN04719	A	20070105	IN 2005-DN4719	20051017
PRIORITY APPLN. INFO.:			JP 2003-109793	A 20030415
			WO 2004-JP5321	W 20040414

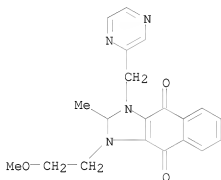
OTHER SOURCE(S): CASREACT 141:379945

IT 781661-94-7P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation of imidazolium bromide derivative and its crystals)

RN 781661-94-7 CAPLUS

CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1) (CA INDEX NAME)



● Br<sup>-</sup>

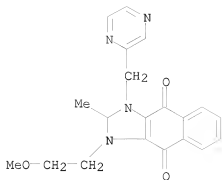
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 355406-09-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of imidazolium bromide derivative and its crystals)

RN 355406-09-6 CAPLUS

CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(pyrazinylmethyl)-, chloride (9CI) (CA INDEX NAME)



● C1-

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:349225 CAPLUS

DOCUMENT NUMBER: 138:348689

TITLE: Pharmaceutical compositions containing condensed  
 imidazolium derivatives

INVENTOR(S): Matsuhisa, Akira; Kinoyama, Isao; Toyoshima, Hiroshi;  
 Nakahara, Takato; Takeuchi, Masahiro; Okada, Minoru

PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 27 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003128548	A	20030508	JP 2002-230691	20020808
JP 3634328	B2	20050330		
PRIORITY APPLN. INFO.:			JP 2001-243397	A 20010810

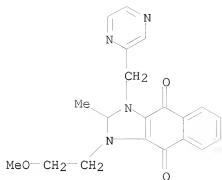
OTHER SOURCE(S): MARPAT 138:348689

IT 355406-09-6P 355406-23-4P

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological  
 activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of condensed imidazolium derivs. for anticancer agents)

RN 355406-09-6 CAPLUS

CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-  
 dioxo-3-(pyrazinylmethyl)-, chloride (9CI) (CA INDEX NAME)

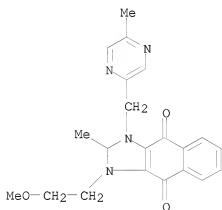


● Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

RN 355406-23-4 CAPLUS

CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-3-[(5-methylpyrazinyl)methyl]-4,9-dioxo-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:617983 CAPLUS

DOCUMENT NUMBER: 135:180768

TITLE: Preparation of naphth[2,3-d]imidazolium halides, naphth[2,3-d]imidazoles and aminonaphthalene-1,4-dione derivatives as antitumor agents

INVENTOR(S): Matsuhisa, Akira; Kinoyama, Isao; Toyoshima, Akira; Nakahara, Takahito; Takeuchi, Masahiro; Okada, Minoru

PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001060803	A1	20010823	WO 2001-JP1036	20010214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2395717	A1	20010823	CA 2001-2395717	20010214
AU 2001032286	A	20010827	AU 2001-32286	20010214
EP 1256576	A1	20021113	EP 2001-904433	20010214
EP 1256576	B1	20050615		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 3397320	B2	20030414	JP 2001-560188	20010214
AT 297901	T	20050715	AT 2001-904433	20010214
PT 1256576	T	20050930	PT 2001-904433	20010214
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PRIORITY APPLN. INFO.:			JP 2000-36645	A 20000215
			JP 2000-261489	A 20000830
			WO 2001-JP1036	W 20010214

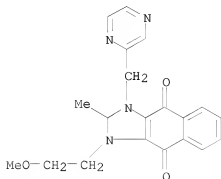
OTHER SOURCE(S): MARPAT 135:180768

IT 355406-09-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of naphth[2,3-d]imidazolium halides and aminonaphthalene-1,4-dione derivs. as antitumor agents)

RN 355406-09-6 CAPLUS

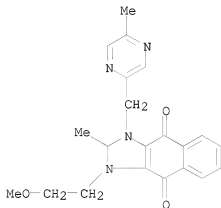
CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(pyrazinylmethyl)-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 355406-23-4P  
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of naphth[2,3-d]imidazolium halides and aminonaphthalene-1,4-dione derivs. as antitumor agents)  
 RN 355406-23-4 CAPLUS  
 CN 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-3-[(5-methylpyrazinyl)methyl]-4,9-dioxo-, chloride (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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SINCE FILE	TOTAL
ENTRY	SESSION
34.98	215.39

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 120 MINUTES  
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